VAN DORNS.

CLEVELAND, OHIO.

INTRODUCTORY

This leaflet is for distribution at the Fair and is intended to show that the Van Dorns have been born and bred mechanics for generations, that each and every one of them have served in the shops without regard to birth or circumstance. It further shows that the staff are a part of the institution and are trained and educated in their different positions. They have no side lines or interests. The chief is run on the proposition that one man is as good as another, if he is on to his job and if he is not, he gets out. The owner or seeker is the same to the President as the top foreman, and in neither office nor factory are there any pets, comrades formed all with lounges, back rubs or what may pass for friends. The shop has run more than full time since it started, never having had a strike or labor trouble and the point is emphasized that whatever business they may give to the Van Dorn Iron Works Company will be properly taken care of.

The Van Dorn Iron Works Company

CLEVELAND, OHIO

J. H. VAN DORN, President
T. R. VAN DORN, 1st Vice President
R. S. WOOD, 2nd Vice President
J. F. WEIR DOBLE, 3rd Vice President
W. S. [illegible], Secretary
L. [illegible], Treasurer
A. R. [illegible], Treasurer

PETER VAN DORN

father of the Van Dorns, was a prominent barn builder in Northern Ohio from 1830 to 1850. He did all his business verbally.

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Van Dorn

THE DUTCH.

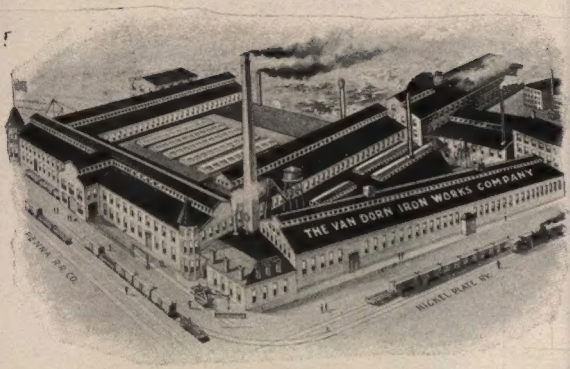
The Dutch who peopled the Netherlands were peculiar in this: that they preferred building dams to reclaim the land from the sea; manufacturing, fabricating and industrial pursuits at home, rather than fighting abroad, and have done so for more than a thousand years. Commencing with the 13th century, England, France, Spain, and in fact every other country that could possibly tax, confiscate or steal enough money so as to put bells on the militia, took turns in conquering the Dutch, and periodically and continually undertook to over run the territory. The Dutch were obstinate and refused to be conquered, and persisted in manufacturing enterprises, and by the middle of the 17th century, were the most prosperous nation on earth. They were honest in their manufacture and good people to buy from. When they exported diamonds by the barrel, there were no Barrios mixed in, and in the manufacture of hardware and the fabrication of cloth they excelled the world.

The Van Dorns are a Dutch production, being the original decendents of the Dutch Manufacturers of Holland, and their successors in the United States, and cannot successfully do anything but make and offer to the public the goods they know about. And they assure the building public that as the Dutch of the 17th century were good people to buy from, that their decendents, the Van Dorns, are good people to know, and in order that the buyers may become better acquainted with them, present the personnel, as well as the product of the institution and would be glad to have suggestions as to improvements in either, that the buyer may offer, it being clearly understood that the president is responsible for all misdemeanors.

On the first leaf we show Mr. Peter Van Dorn, father of the Van Dorns, who was the greatest barn builder in Northern Ohio, between 1830-1850. His father, Isaac Van Dorn was born in New Jersey, of Dutch parentage, who emigrated from Amsterdam about the middle of the 17th century. They were manufacturers in Holland; in New Jersey they were farmers and contractors. Mr. Peter Van Dorn apprenticed himself at the age of 15 to a barn builder near Syracuse, N Y., and commenced building barns in Northern Ohio, when he was twenty years old. He could spot more timber, lay out and raise a barn quicker than any man in that part of the country. He finally settled on a farm in Lorain County, and stood well in the community. (At

J. H. VAN DORN, President

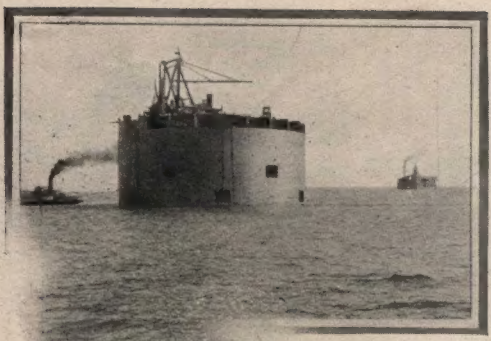
of The Van Dorn Iron Works Company, of The Van Dorn & Dutton Company, General Machinists and Gear Cutters, and The Van Dorn-Elliott Electric Company, Dynamo and Motor repairers.



least no one seemed to care to suggest to him the contrary.) He was arbitrary in the management of the premises, and allowed no swearing, tobacco chewing, smoking or drinking. His strongest trait was the raising of boys. He knew what to do with a boy from the very start up and the boy generally knew what to do every hour. It was his idea that a boy that was not able to do a man's work when 21 years old, had a dad that was of no account. He was anxious to raise a President of the United States. His first son, Cleveland, came the nearest to this. He raised a company in Medina and Lorain Counties, and went to war from Cleveland, Ohio, and chased General Van Dorn and was chased by him up and down the pike for more than a year. He served four years and his company which went out full came back with 22 all told. He sized up his second son, James, at the age of 18, and found no presidential timber in him, and therefore apprenticed him to John A. Topliff of Elyria, Ohio, to learn the blacksmith trade. He was sorry to do this, as he did not know that to be the president of a fence factory was a better and safer job than to be President of the United States. After serving an apprenticeship, he worked at his trade for Aultman & Miller of Akron, Ohio, for ten years, and then started into the fence business in a small way on his own account, his principle being to make a better iron fence than anybody else, and to sell it for less money. This idea is claimed by Mr. Carnegie, but he is mistaken, as the Van Dorns were before him in it, and it is an old Dutch proposition; nothing Scotch in it.

DWIGHT B. VAN DORN, Superintendent

of the works, as shown on opposite page, which occupies eight acres of land, with 250,000 feet of covered floor space. Was apprenticed by his father, Peter Van Dorn to his brother, when 18 years of age. He has been with the company about thirty years.



THE STRUCTURAL IRON DEPARTMENT.

This department started in 1898, and the first important contract attempted by the engineer was the building of the Steel Intake Crib for the city of Cleveland as per cut shown above, which shows it being towed out into the lake five miles, where it was sunk in fifty feet of water. This crib was one hundred feet in diameter, fifty feet well hole in center; the exterior rim being divided up into twenty-four compartments. It contained about 1,500 tons of steel, 8,000 tons riprap, 15,000 tons filling stone, 1,200 yds. concrete and over half a million feet of timber for sub-sill bottom. Height from the bottom of the sub-sill to the top of the parapet 80 feet.

The next contract was the Williamson building, a sixteen-story structure—3,000 tons. This was built in 160 working days.

This department is particularly adapted to the better class of steel work, such as car dumps, ore unloaders, city viaducts, factory buildings, etc. It has been honored with fifteen orders from The Niagara Falls Power Company, who used the Van Dorn system of steel frames in their power house, and which cost $25,000. It is now working out orders for the Canadian Niagara Falls Power Company, making duplicate frames for their power house at about the same cost.

It also built the new power house for the Cleveland Electric Railroad Company on Cedar avenue, and invites all kinds of structural work.

THOMAS B. VAN DORN

oldest son of the president, engineer of the works, and manager of the Structural Plant, was educated at the Cleveland Public Schools and Cornell University. Served three years at the bench in the factory, worked two years at Berlin Bridge Co., E. Berlin, Conn. Had full charge of steel Intake Crib and the Williamson Building as per opposite page.

TIMBER HANGERS.

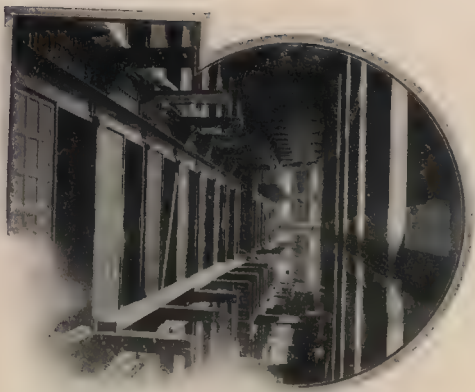
In place of the original joist framed to mortise, reducing the strength of the header and joist, timber hangers are now a necessity. The above illustration shows a test of four hangers with 3x12 oak joist carrying twenty-five tons. This test was made under the supervision of The Osborn Engineering Company of Cleveland, Ohio. The headers, joists and hangers were not damaged in the least by the test.

We make steel post caps, bases and hangers for all sizes of timbers, and guarantee that they will carry the loads required with the standard factor of safety. We have shipped over 2,500 tons of these hangers in the last three years, which is an evidence of the appreciation of this hanger by architects, contractors and buyers. It is a fine looking hanger and one of the easiest to place. It is made of rolled steel and forged hot. It was adopted and used by the Boston School of Technology, the order being given us on July 3rd, 1902.

We carry a stock of 100 tons of standard sizes, and have samples at our exhibit.

J. PETER VAN DORN

son of the president. First assistant engineer and estimator. Educated in Cleveland Public Schools and Peekskill, N. Y., Academy, under Col. Louis H. Orleman of U. S. Army. Worked over 3 years at lathe and bench in the works.



PRISONS.

Prisons are a necessity to modern civilization. Ancient civilization used these meagrely and cruelly.

The first jail built by the Van Dorn Iron Works was for Ottertail County, Fergus Falls, Minn., in 1884, on the completion of which great satisfaction was expressed by the State Board of Charities and Commissioners in charge on account of its absolute departure from the old methods of construction. It was made of White Diamond Saw Proof material, properly ventilated and sanitary, and no escape has ever been made from it.

We have since built over 8,750 cells at a cost of $2,625,000, among the most important of which are:

The New Tombs Prison, New York.....	352 cells	$ 264,000
Maryland State Prison.....	820 cells	255,000
Connecticut State Prison.....	187 cells	100,000
West Virginia State Prison.....	360 cells	90,000
Nebraska State Prison.....	240 cells	80,000
Dauphin Co. Jail.....	140 cells	155,000
Washington Co. Jail.....	116 cells	55,000
Hartford Co. Jail.....	120 cells	42,000
New Haven County Jail.....	116 cells	40,000
Cell Work, Miscellaneous Con.....	8,750 cells	2,625,000

The awarding of this work was not by accident, but by close weeding out of the inferior, and obtaining the best, by the State Prison Board of Commissioners and Officials, which is the best recommendation we have to offer prospective buyers.

A full sized sample of cells and corridor, showing burglar proofing construction and operation of doors, sanitary and other improvements, can be seen at our exhibit.

JOHN TOON

has charge of the Jail Department. Was educated in the Cleveland Public Schools and has been with the Van Dorn Iron Works Co. about fifteen years. Mr. Toon is a sanitary and ventilating engineer and thoroughly understands every feature of prison building.

METALLIC FURNITURE.

This department is a new feature, started in 1900 and has met with encouragement on the part of the public, and success in the execution of its contracts.

The following are some of the commissions intrusted to this department, which is now being extended by additional room and machinery:

MINNESOTA STATE CAPITOL BUILDING, ST. PAUL, MINN.

Contract over $30,000, embracing all the steel fireproof office furniture for the State Capitol Building, including the fixtures for the rooms and offices, as well as the State Historical Library and Law Library Book Stacks.

DUTCHESS COUNTY, POUGHKEEPSIE, N. Y.
BOURBON COUNTY, PARIS, KY.
SIOUX COUNTY, ORANGE CITY, IA.
PIATT COUNTY, MONTICELLO, ILL.
FAYETTE COUNTY, JEFFERSON, MISS.
CUYAHOGA COUNTY, CLEVELAND, OHIO.
RAMSEY COUNTY, ST. PAUL, MINN.
BELL COUNTY, BELTON, TEXAS.
ST. CROIX COUNTY, HUDSON, WIS.
ISSAQUENNA COUNTY, MAYORSVILLE, MISS.
UNION BANK & TRUST CO., HELENA, MONT.
LIBRARY OF CONGRESS, WASHINGTON, D. C.
POSTOFFICE DEPARTMENT, WASHINGTON, D. C.
TREASURY DEPARTMENT, COMPTROLLER OF CURRENCY.
OFFICES IN THE STATE CAPITOL BUILDING, COLUMBUS, OHIO, ETC., ETC.

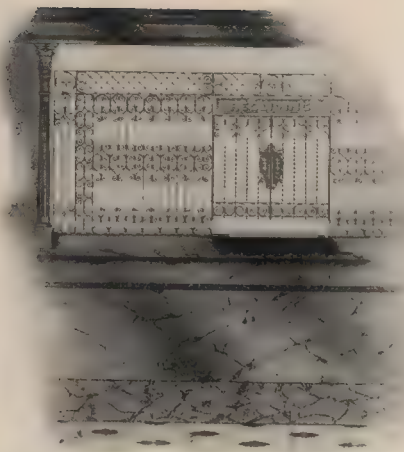
This deparment is equipped with a bronze and brass foundry, and does nickel and copper plating, and has the finest japanning outfit in the country, using Van Dorn's improved Metallic Japanning Ovens.

This department is also equipped for building heavy bronze or steel railings for banks, offices or enclosures, and can furnish fireproof vault doors, linings, etc. We are now building a fine bronze door for the Canadian Niagara Falls Power Company, which will be without a doubt the best door in the Dominion. This door is 4x8 in size and will cost $1,500.00.

We show a sample of the Minnesota Capitol work at our exhibit in St. Louis.

HERMAN A. ROCK

has charge of the Metallic Furniture and Ornamental Iron and Bronze Department. Educated in Cleveland Public Schools and Case School of Applied Science and has been with the company for nine years.



This department makes Bank Railings, Elevator Enclosures, Stairs, Flag Poles, Lawn Seats and Vases, and other specialties as follows:

STABLE FITTINGS.

We manufacture a full line of stable fittings, consisting of oat mangers, feed boxes, hay racks, gutters, harness hooks, and in fact every modern appliance. We also make fittings in cast iron, wrought iron or bronze as may be required. We have fitted up two stables for Mr. John D. Rockefeller, which are among the finest in the city of Cleveland.

VAULT DOORS.

We manufacture a first-class vault door, either burglar or fireproof; also vault linings, burglar or fireproof.

JAPANNING OVENS.

In place of the old style Brick Ovens, or Brick Lined Ovens, we manufacture a steel Japanning Oven with double walls which takes up less room, is more economical in the use of fuel, and is very much safer in operation. There has never been a serious explosion in our ovens. They are provided with vents and doors so made as to be safe. They are also provided with thermometers and arranged to be used with either coal, wood, natural and manufactured gas, gasoline or steam. We make them in size to order and in ranges as may be required. We have over two hundred in satisfactory use.

DRYING RACKS.

We are the originators of special drying racks, made of steel for lithographers and bakers, which have been generally adopted by the first establishments, and they are much more suitable and more easily handled than the old style wood racks.

LEVI GOLDEN, Treasurer

has charge of the Miscellaneous Iron Department. Served an apprenticeship in the works and has been with the company thirty years.

LAWN SEATS.

The above seat is manufactured entirely of steel rolled for the purpose, and never breaks or wears out. We have 2,000 in use in the city of Cleveland, 1,500 in the city of Pittsburg, 100 in the city of Erie, and a large distribution for public and private use. It is a comfortable seat, and with the proper painting will last a lifetime. It is cheaper than a cast iron seat. This seat can be seen at the exhibit.

VOTING BOOTHS.

We manufacture voting booths for casting the Australian ballot. We furnished the first one hundred and thirty for the city of Cleveland in 28 days. These lasted eleven years with slight repairs. We have since manufactured 150 more for Cleveland, practically the same construction, as the first and have also made a number for different cities, and we now have the most complete building of this kind in the United States. We also furnished the city of Boston one hundred. They are so made as to be handled very economically by hauling to and from precincts without taking down.

LOCKERS

Factories, institutions and associations are finding it advantageous to furnish individual lockers for employes, attendants and visitors; the lockers being so made as to be vermin proof and safe enclosures for the different purposes for which they are required. These lockers are made of sheet iron, with bottom and top ventilation, or made of wire or expanded metal, as the case may be. Samples may be seen at our exhibit.

FRANK R. BAER, Secretary

has charge of the finance and has been with the Van Dorn Iron Works Company for nine years.

FENCING.

Our fencing is special in this:

It is machine instead of blacksmith made, ie.: The Stringers are rolled, with round flanged edges; the holes are punched to exact gauge and space; the Vertical Pickets are square and the edges at the intersection of the Stringers are turned to the size of the square, they are then put in position, turned ¼ round, and finished with a malleable dog which is made water tight. These fences have been used all over the United States by the most careful buyers.

The Illinois Railway Company purchased from us five miles to use in the vicinity of Chicago.

The New York & New Haven Railway Company have used two miles of same, which their engineer changed over from the old fashioned way to our construction.

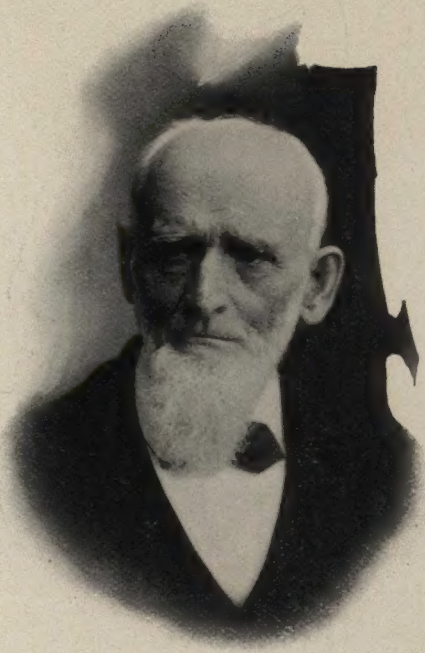
The N. Y. C. & St. L. R. R. Company have used over one mile.

The city of Boston has a large amount which they bought for inclosing their park, etc.

We have built over three miles for the city of Cleveland, and nearly as much for the city of Pittsburg.

The cut shows the fence used to inclose Forest Hill, Cleveland residence of Mr. John D. Rockefeller.

We build this from 7-16 inch square to 1¼ inches square and in height to order. We show several samples in our exhibit.



MR. A. H. BETTS

the only patriarch, has been with the Van Dorn Iron Works twenty-eight years. Mr. Betts, with a helper has done the bench work, putting together over 300 miles of fencing, weighing over 14,000 tons. He is still making the best fence in the country (The Van Dorn.)

LAST PAIR OF VAN DORNS.

PLAIN DEALER PRESS.

STRUCTURAL IRON DEPARTMENT

Steel Structures, Fire Proof Window and Door Frames, Shutters, Doors, Guards, Stairs, Balconies, Cast and Wrought Iron Specialties, Bridges, Viaducts, etc. Steel Hangers, Post Caps and Bases for Timber Construction, Sun Proof Guards, &c.

THOMAS F. VAN DORN, Engineer and Manager.

PRISON DEPARTMENT

County Jails, State Prisons, Workhouses, City Prisons, Township Lockups, Specialties such as Cells and Corridors for condemned prisoners, Dungeons for disciplining incorrigibles, Light Cells for transgressions, Plumbing and Ventilating, Steel Proof Construction, &c.

JOHN TOON, Sanitary Engineer and Mgr.

METALLIC FURNITURE AND ORNAMENTAL IRON DEPARTMENT

Fire Proof, Vermin and Dust Proof Metallic Files, Indexes, Roller Book Shelves, Counters, Desks, &c. Bronze and Brass Work, Bank Railings, Vault Doors, Lawn Seats, Vases and Stable Fittings, Steel Lockers for manufactories and institutions with Miller Keyless Locks.

HERMAN A. ROCK, Manager.

FENCE AND SPECIAL DEPARTMENT

W[illegible] and private residences, [illegible] Racks for bakeri[illegible] painting purposes.

[illegible] Manager.

TO OCT 1904 Van Dorn Iron Works Co.
ATHENAEUM OF PHILADELPHIA